

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



United States
Environmental Protection
Agency

Office of Pesticide Programs

MEMORANDUM

10/4/2017

SUBJECT: Product Chemistry Review for **Project Splash Spray** EPA Reg. No.: **9480-RU**

FROM: Joseph Williams Jr., PhD
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Product Science Branch
Antimicrobials Division (7510P)

THRU: Karen P. Hicks, Team Leader
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TO: Zeno Bain, PM Team 33 / Terria Northern
Regulatory Management Branch I
Antimicrobials Division (7510P)

Registrant: Professional
Disposables International,
Inc.
Action code: A540
Agency Due Date:
11/6/2017
DP No.: 440584
Submission No.: 10003580
E-Sub No.:
Classification: EP
Process: Nonintegrated
system
Pesticide type:
Antimicrobial

MRID(s):50282501, 50356601

Formulation from label			
PC code(s)	CAS #(s)	Active Ingredient(s)	% weight
000595	7722-84-1	Hydrogen Peroxide	4.04%
		Other Ingredients	95.96%
		Total	100%
Comments/Molecular Structure			

I. BACKGROUND

The Registrant, Professional Disposables International, Inc., has submitted an application for pesticide registration for their product: Project Splash Spray EPA Reg. No. 9480-RU.

II. RELEVANT DOCUMENTS

	RECEIVED	N/A
EPA FORM 8570-27 – Formulator's Exemption Statement	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EPA FORM 8570-35 – Data Matrix (7/18/2017)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cover letter (7/18/2017)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Transmittal document	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proposed CSF BASIC, (7/18/2017)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proposed CSF ALTERNATE 1, (7/18/2017)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proposed label, (4/26/2017)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Certification for Pilot Fragrance Notification Program	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comments:		

III. FINDINGS

a. Product Formulation:

	TGAI	MUP	EUP	Food use	Non-food use
Non-integrated	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Integrated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Active Ingredient(s)	Nominal		Upper limit	Lower limit	
Hydrogen Peroxide	4.04		4.7	3.85	
	YES		NO	N/A	
1. The certified limits of all ingredients are within 40 CFR standard certified limits.	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
2. Wider certified limits were requested and rationale was accepted.	<input checked="" type="checkbox"/>		<input type="checkbox"/>		
3. The nominal concentration(s) of the active ingredient is in agreement with the label.	<input checked="" type="checkbox"/>		<input type="checkbox"/>		

4. The chemical IDs and analytical information for density, pH, and flammability are consistent with Series 830 Group B data.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. All inert ingredients are approved for non-food use pesticide formulations.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. The impurities present >0.1% are identified.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Impurities of toxicological significance have an upper certified limit.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

b. Product Label:

	Yes	NO	N/A
<i>The formula contains one of the following:</i>			
1. 10% or more of petroleum distillate	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. 1.0% or more of methyl alcohol	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Sodium nitrite at any level	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. A toxic list 1 inert at any level	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Arsenic in any form	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. If yes to 1-5, then the inert ingredient list contains a relevant footnote	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Appropriate warning statements regarding flammability or explosive characteristics of the product are included on the label	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. The storage and disposal instructions for the pesticide container are in compliance with PR Notice 84-1 for household use products or PR Notice 83-3 for all other uses.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. The product requires an expiration date at which time the nominal concentration falls below the lower certified limit.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

IV. Conclusion

The Product Science Branch of Antimicrobials Division finds the proposed CSFs for the Basic Formulation and Alternate Formulation #1, dated 7/18/17 **acceptable**. The OCSPP Guidelines 830 Series for Group A and B chemistry data for *Project Splash Spray* EPA Reg. No. 9480-RU are **acceptable**.

V. Table A:**Series 830 guidelines – Group A**

OPPTS#	Name	Status	MRID
830.1550	Product Identity & Composition	Acceptable	50282501
830.1600	Description of materials	Acceptable	50282501
830.1620	Description of production process	Not applicable, non-integrated	N/A
830.1650	Description of formulation process	Acceptable	50282501
830.1670	Discussion of formation of impurities	Not applicable, non-integrated	N/A
830.1700	Preliminary analysis	Not applicable, non-integrated	N/A
830.1750	Certified limits	Acceptable	50282501
830.1800	Enforcement analytical method	Acceptable	50282501
830.1900	Submittal of samples	Acceptable	N/A

VII. Table B: Series 830 guidelines – Group B

OPPTS#	Name	Study Findings/Comment	Status	MRID
830.6302	Color	Colorless	Acceptable	50356601
830.6303	Physical state	liquid	Acceptable	50356601
830.6304	Odor	Mild, vinegar-like odor	Acceptable	50356601
830.6313	Stability to normal & elevated temperatures, metals & metal ions	Not required for end-use	Not applicable	50356601
830.6314	Oxidation/Reduction	This product is a strong oxidizer	Acceptable	50356601
830.6315	Flammability	No Flash observed when heated up to 98 deg C	Acceptable	50356601
830.6316	Explosibility	Product does not contain explosive ingredients	Acceptable	50356601
830.6317	Storage stability	Active ingredient maintained a concentration above within the certified limits.	Acceptable	50356601
830.6319	Miscibility	Product not mixed with organic solvents	Acceptable	50356601
830.6320	Corrosion characteristics	No Corrosion present	Acceptable	50356601
830.6321	Dielectric breakdown voltage	Product not used near electrical equipment	Acceptable	50356601
830.7000	pH	3.5-5.5 @ 25 deg C	Acceptable	50356601
830.7050	UV/Visible absorption	Not required for EP	Not applicable	50356601
830.7100	Viscosity	1.129 cSt @ 23 deg C. 0.7153 cSt @ 44 deg C	Acceptable	50356601
830.7200	Melting point	Not required for EP	Not applicable	50356601
830.7220	Boiling point	Not required for EP	Not applicable	50356601
830.7300	Density/relative	8.6 lbs/gal/1.0326 @ 22 deg C	Acceptable	50356601
830.7370	Dissociation constants in water	Not required for EP	Not applicable	50356601

